

100

Fig. 1

10000000000000000000000000000000

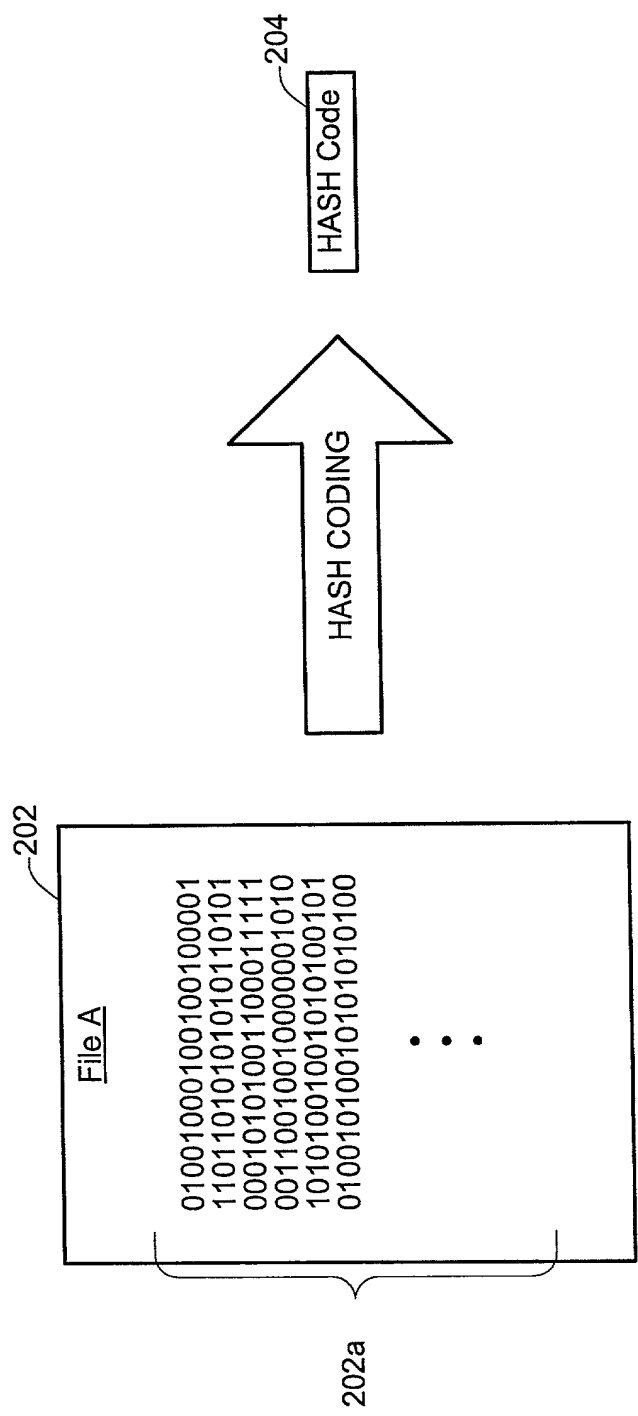


Fig. 2

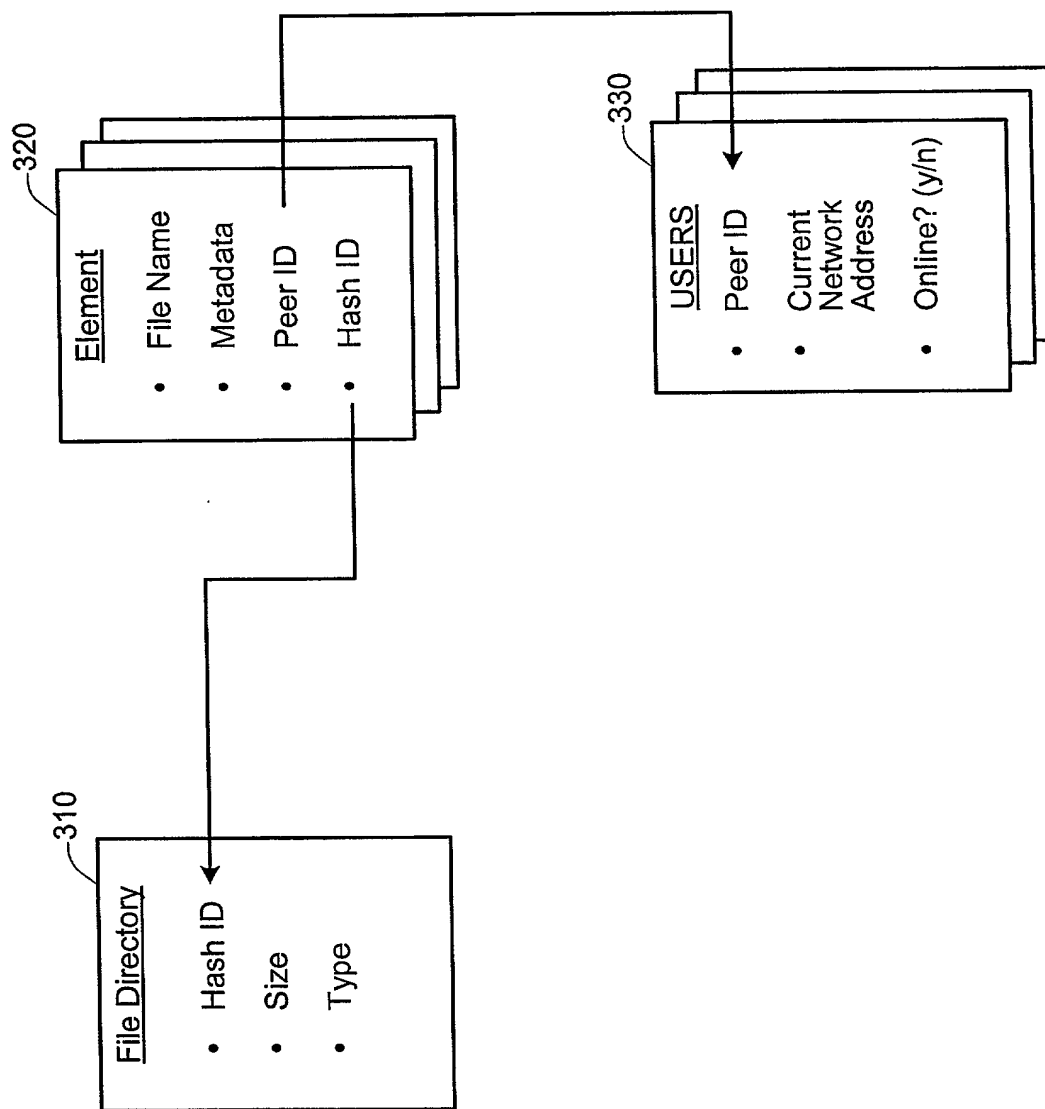


Fig. 3A

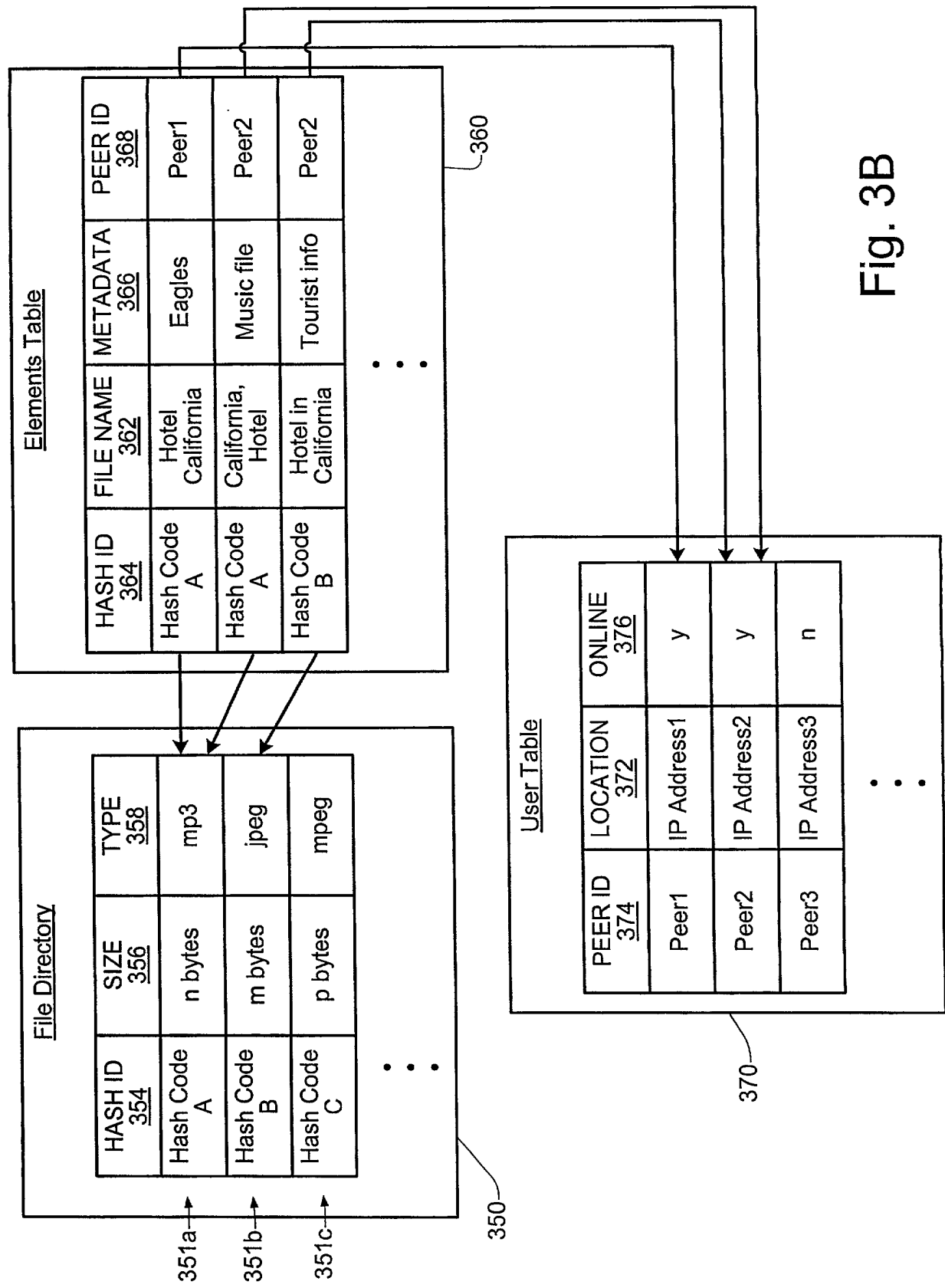


Fig. 3B

	FILE NAME 452	HASH ID 454	SIZE 456	TYPE 457	METADATA 458	LOCATION 459
451a →	File A	Hash Code A	n bytes	mp3		c:\my music
451b →	File B	Hash Code B	m bytes	jpeg	birthday picture	c:\my pics
451c →	File C	Hash Code C	p bytes	mpeg	graduation	c:\my vids
			• • •			

450 ←

Fig. 4A

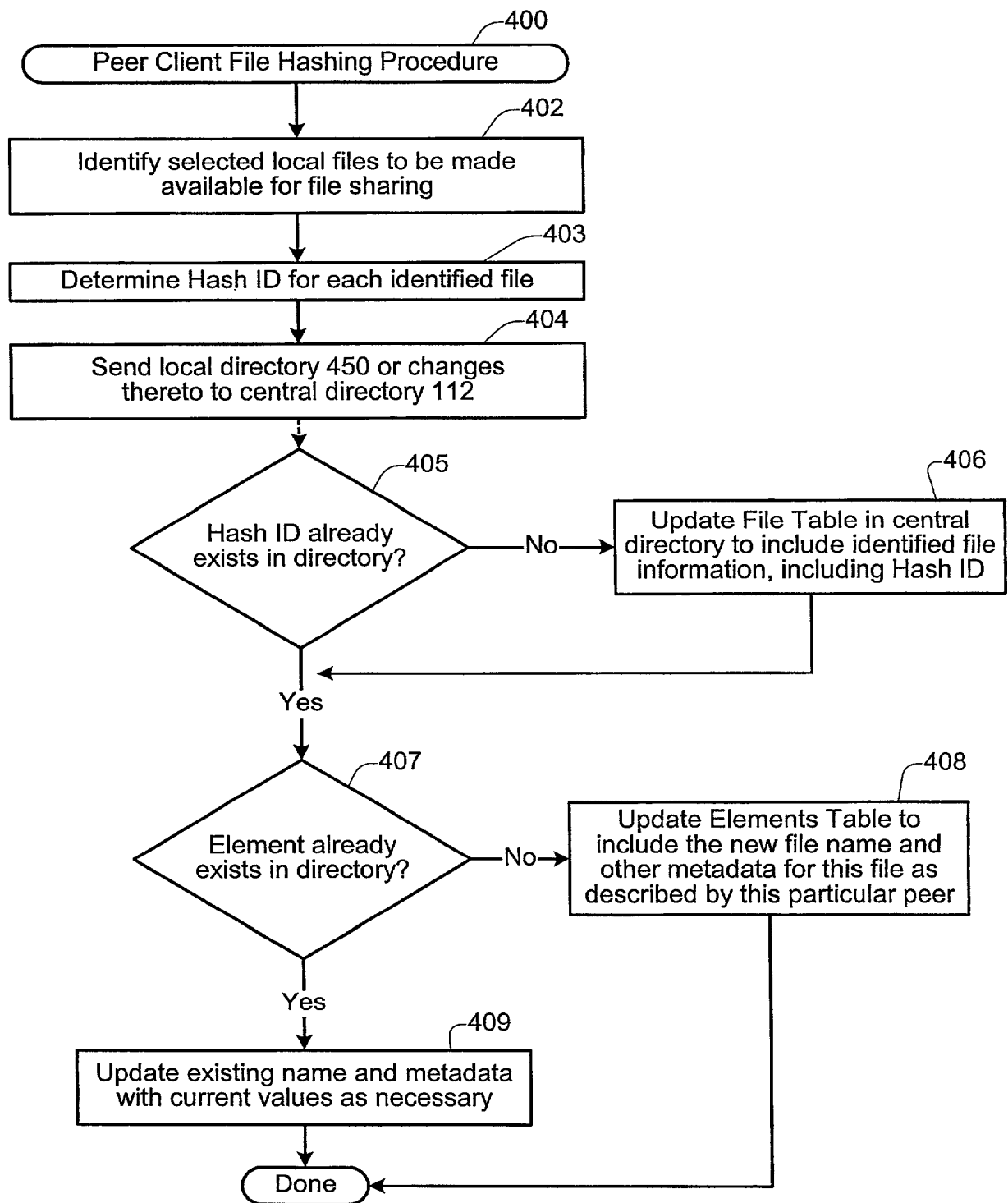


Fig. 4B

Patent 7,930,860

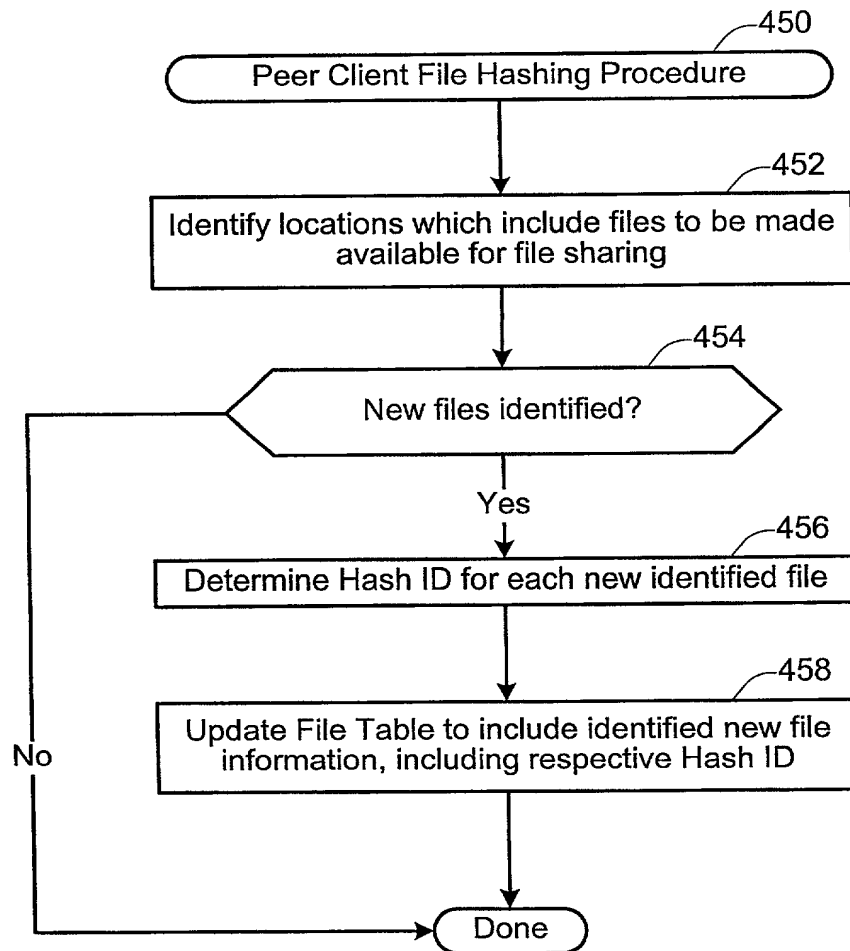


Fig. 4C

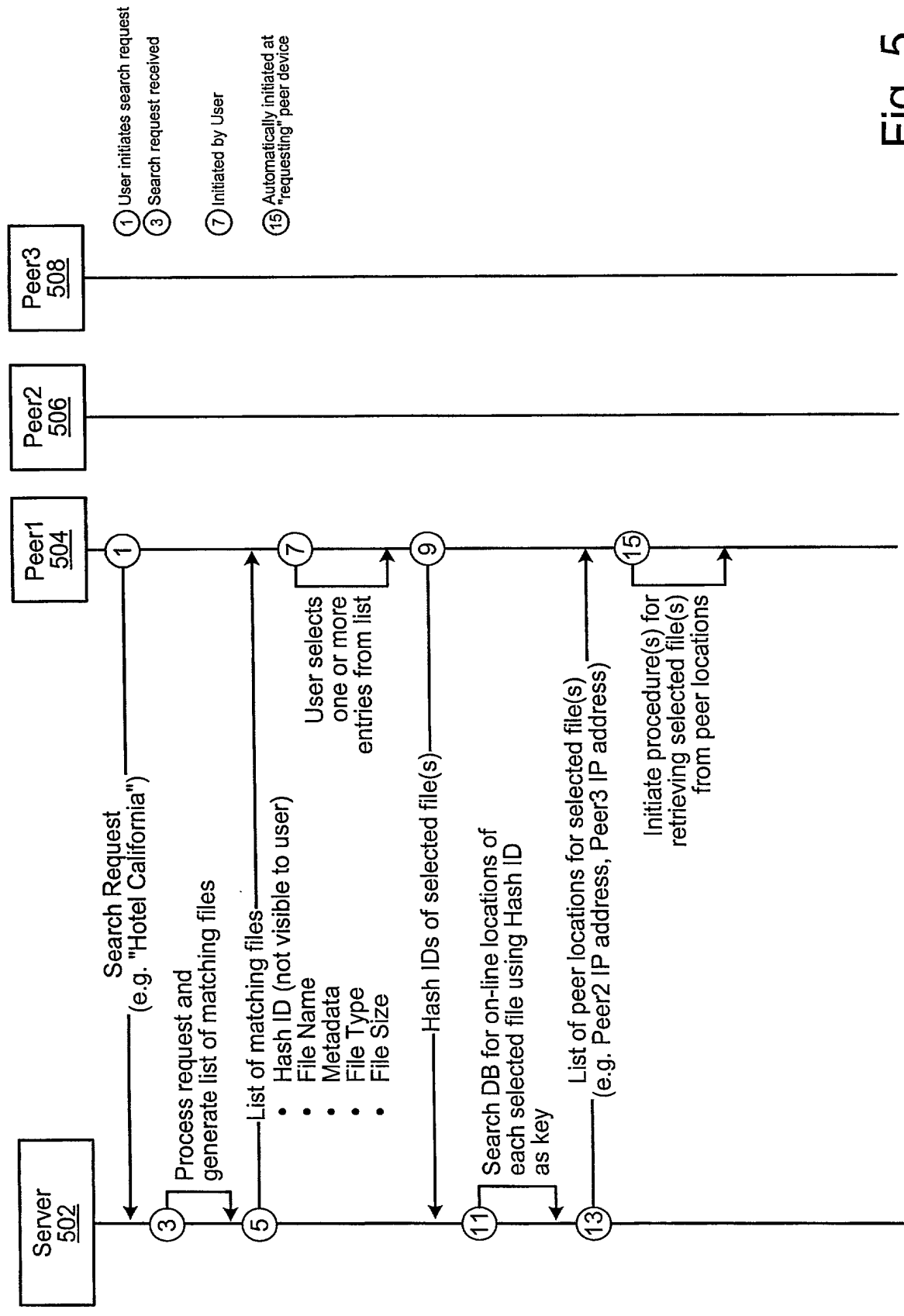


Fig. 5

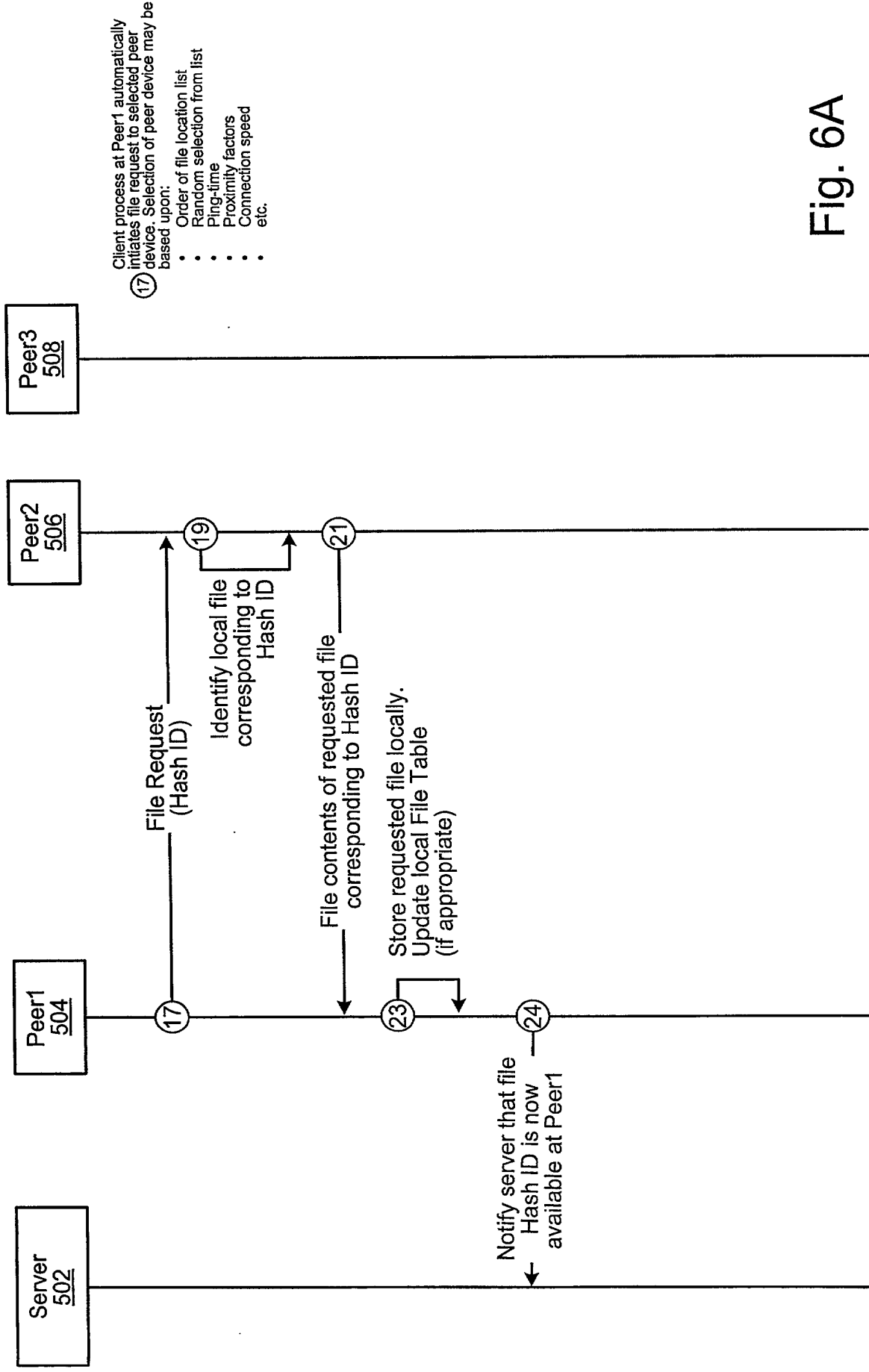


Fig. 6A

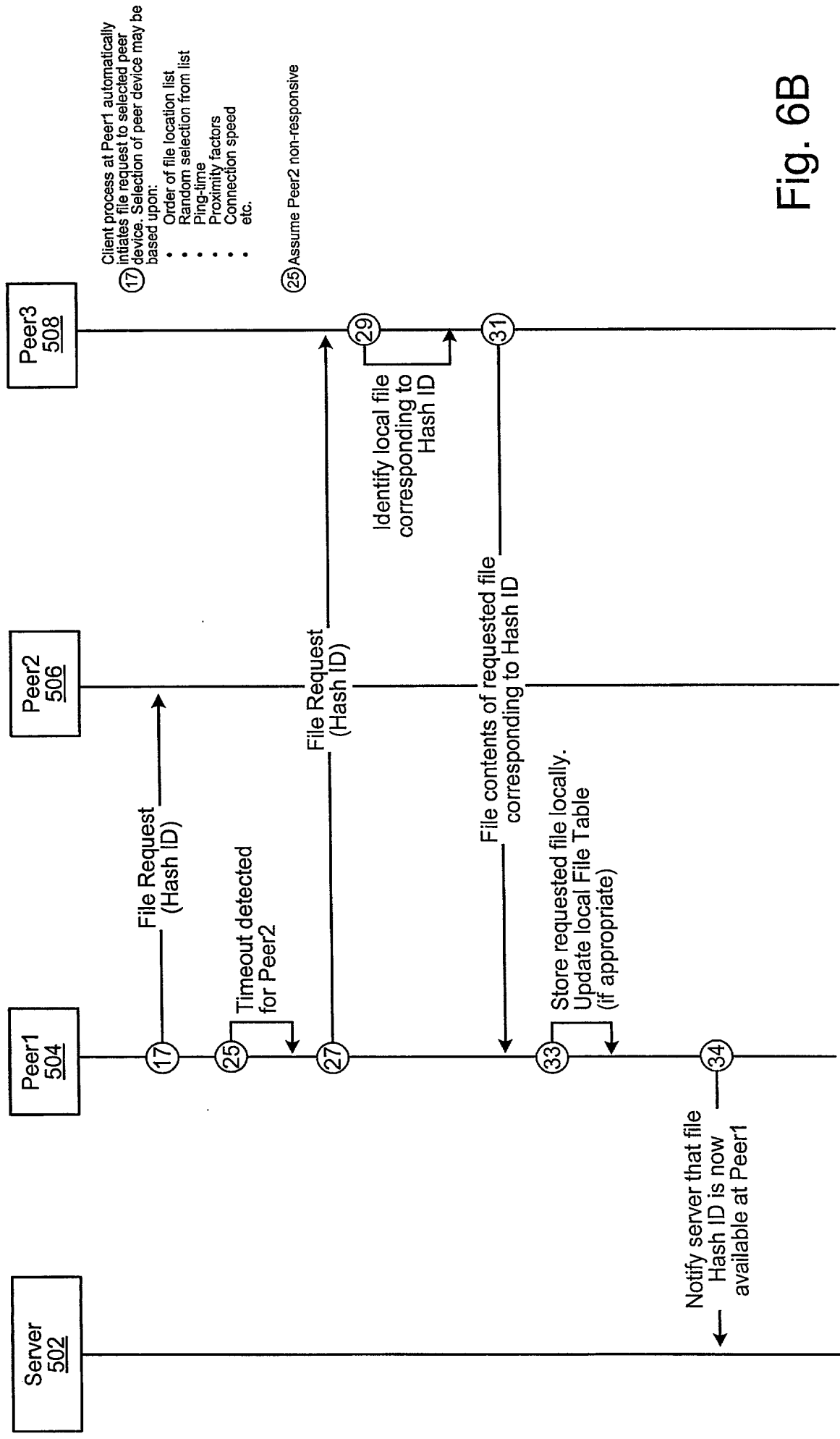


Fig. 6B

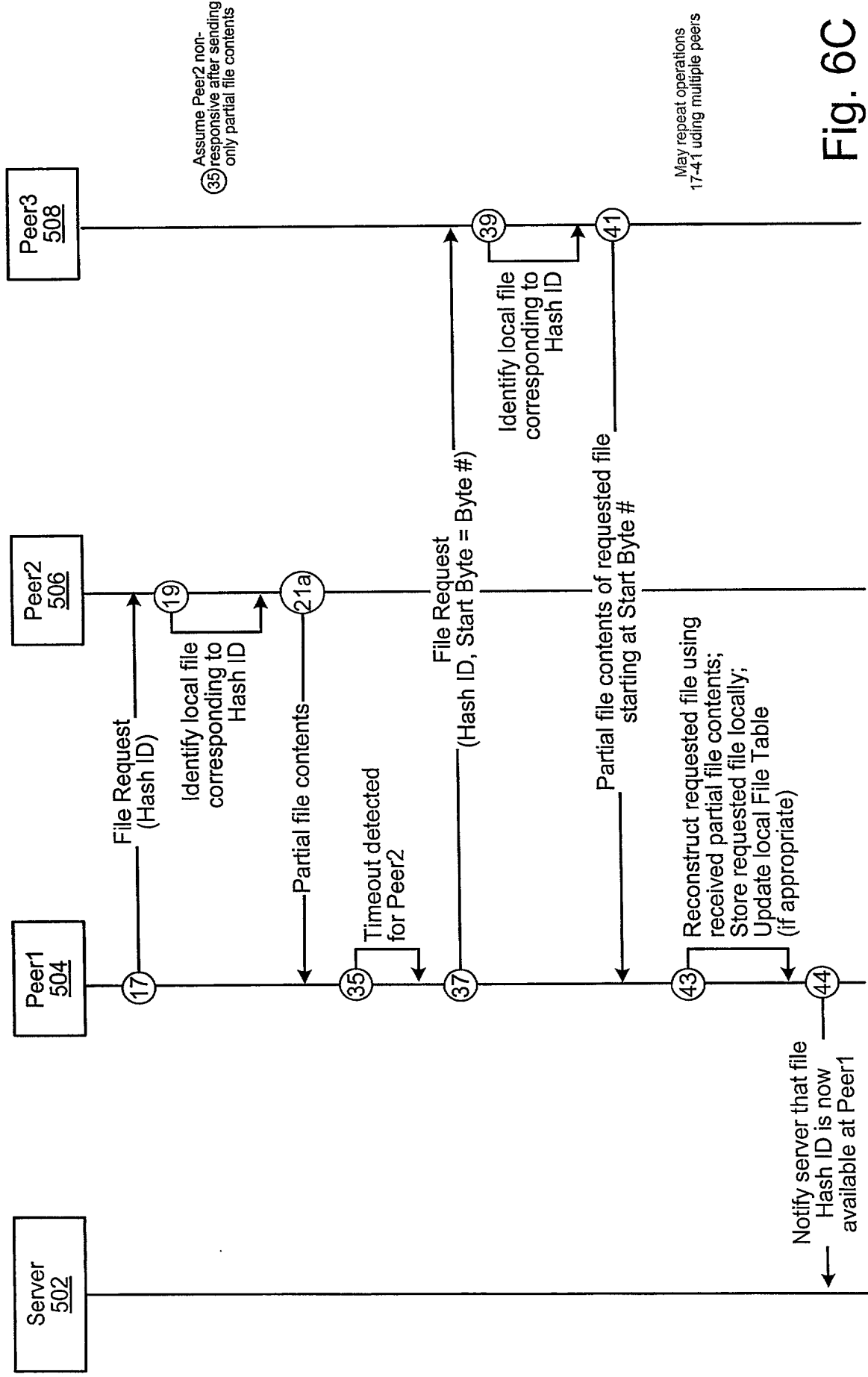


Fig. 6C

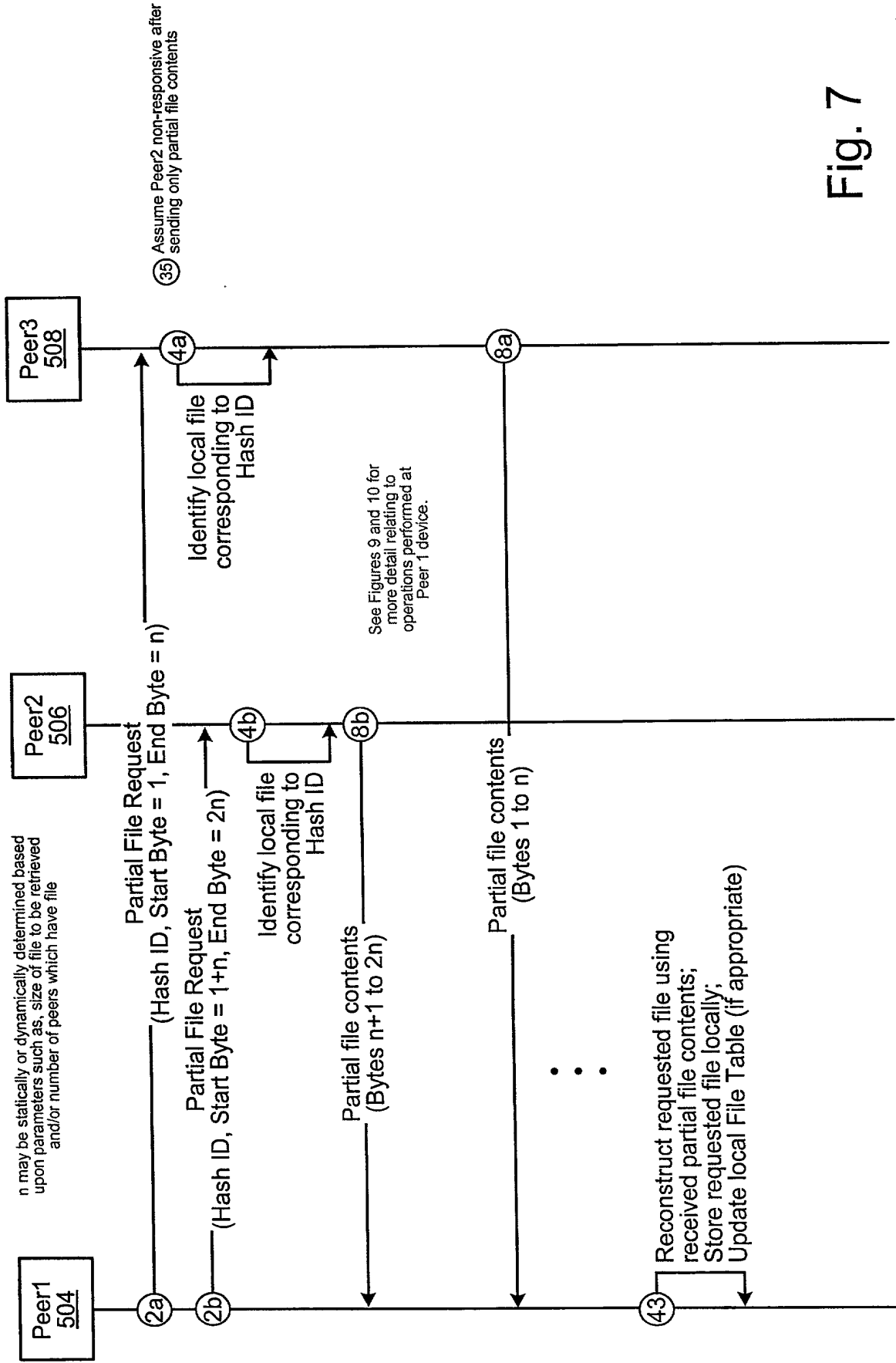


Fig. 7

Swarming technique is adaptive mechanism for balancing workload across multiple peers.

Chunk No. = 1	2	3	4	5	6	7	8	9	10	m
AR	ANR	AR	ANR	AR	AR	ANR	AR	NAR	NAR	NAR

AR = Assigned and Retrieved

ANR = Assigned and Not Retrieved

NAR = Not Assigned and Not Retrieved

800 Fig. 8

Chunk Map for desired file.
Maintained by Chunk Manager.

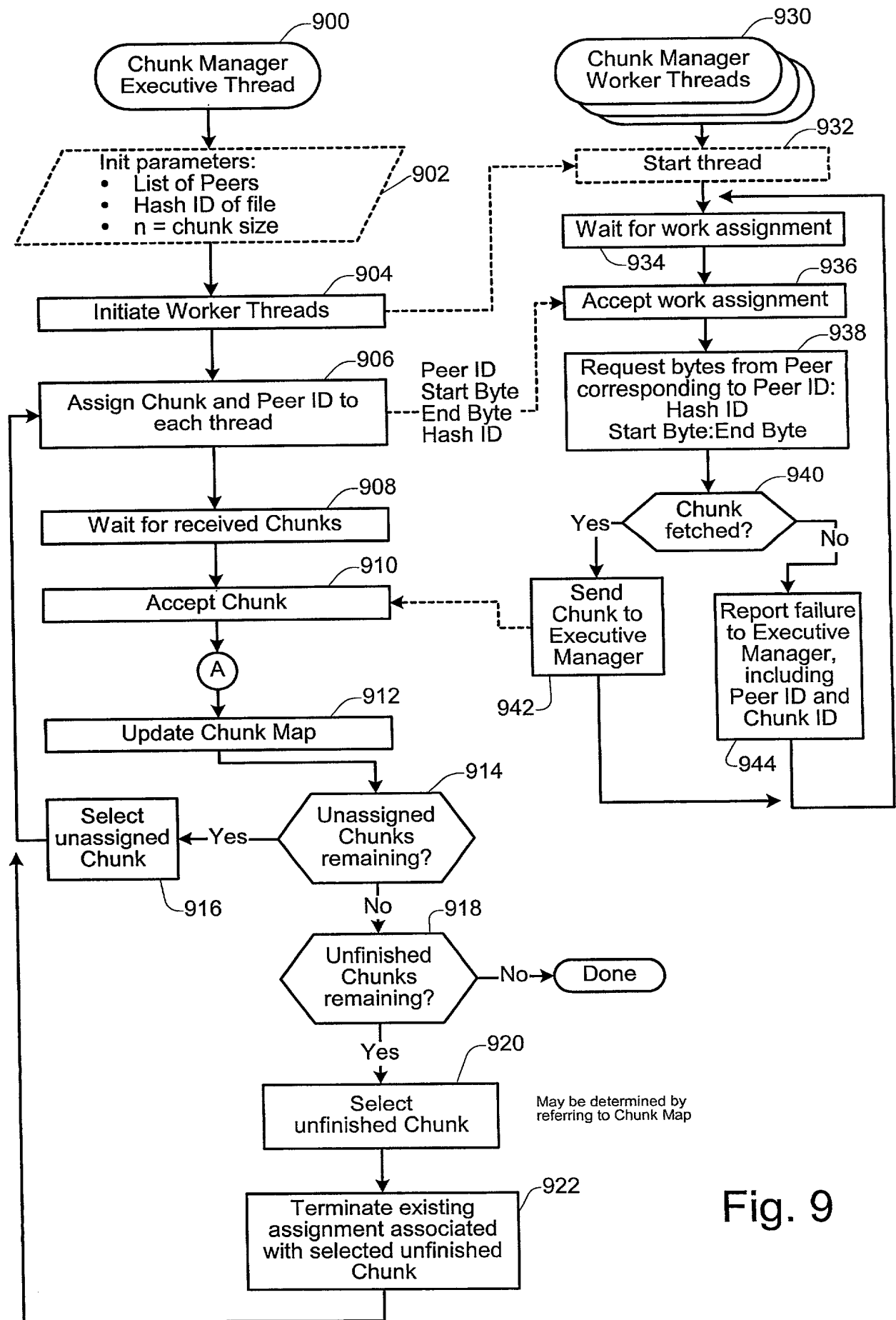


Fig. 9

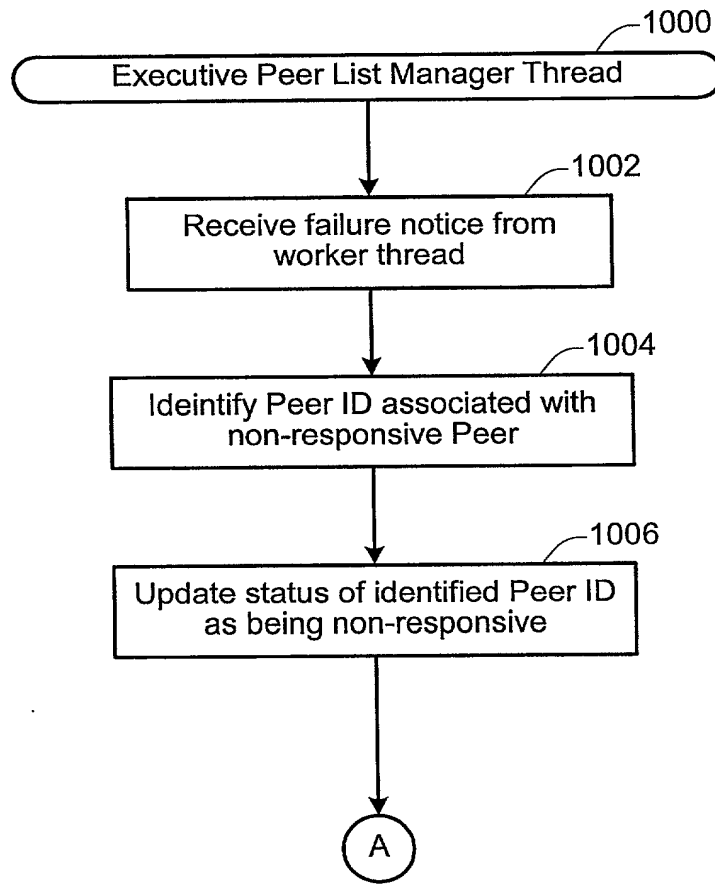


Fig. 10

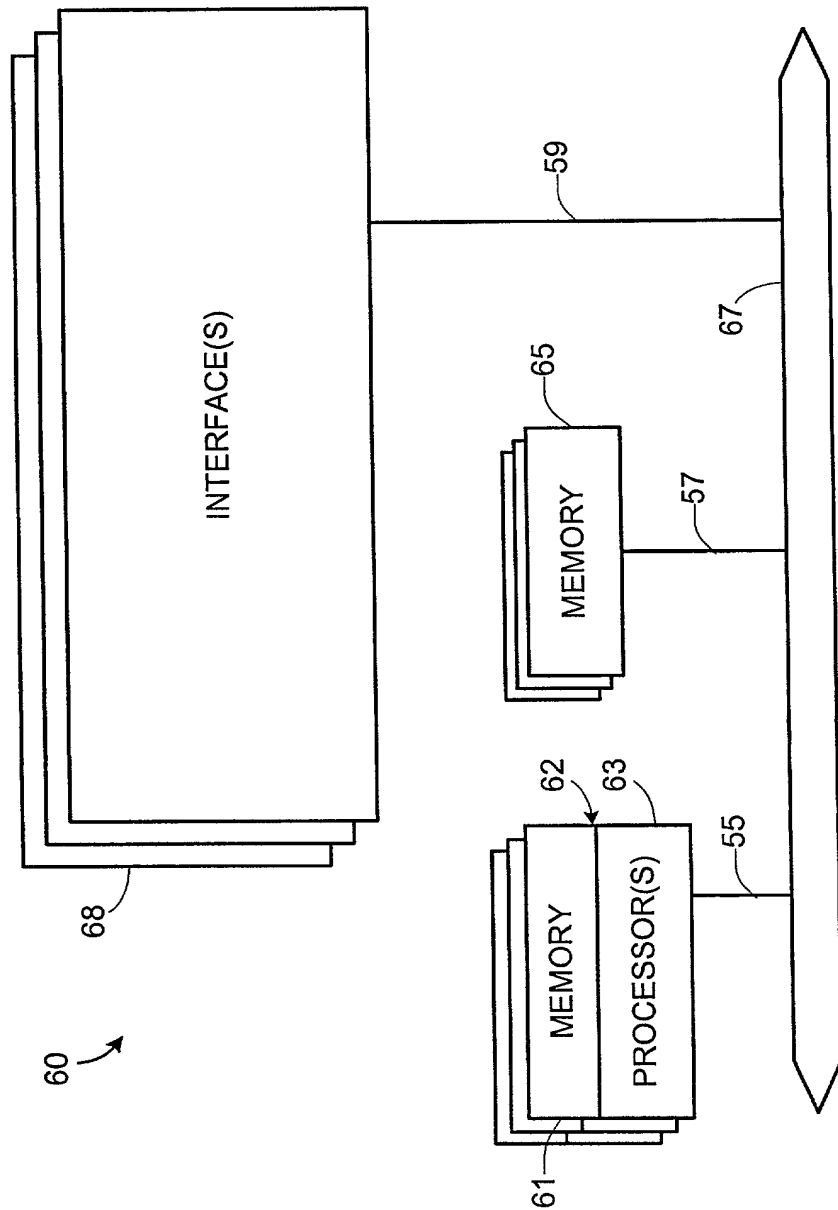


Figure 11

FOI b7E b7C b7D b7E b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z

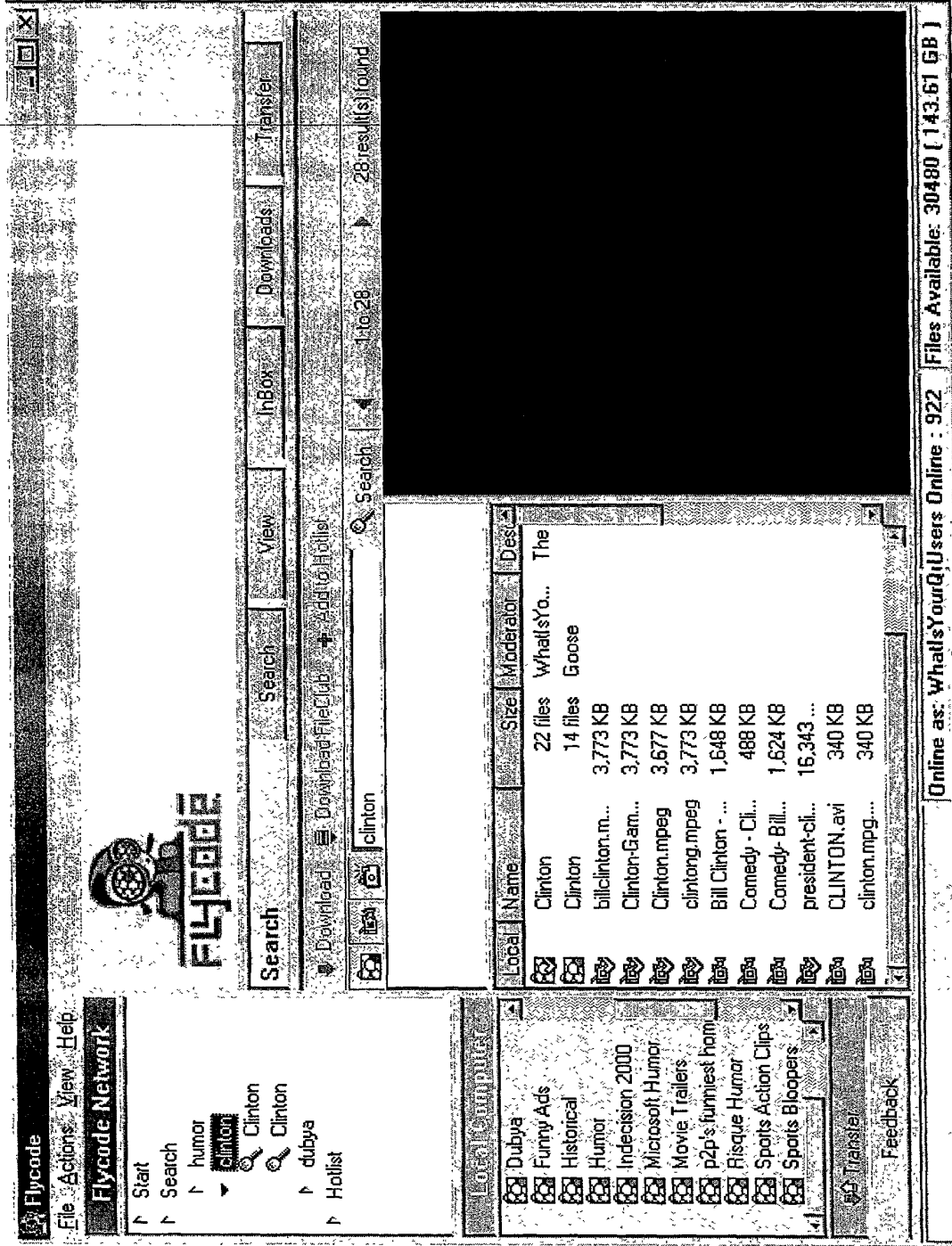


Fig. 12

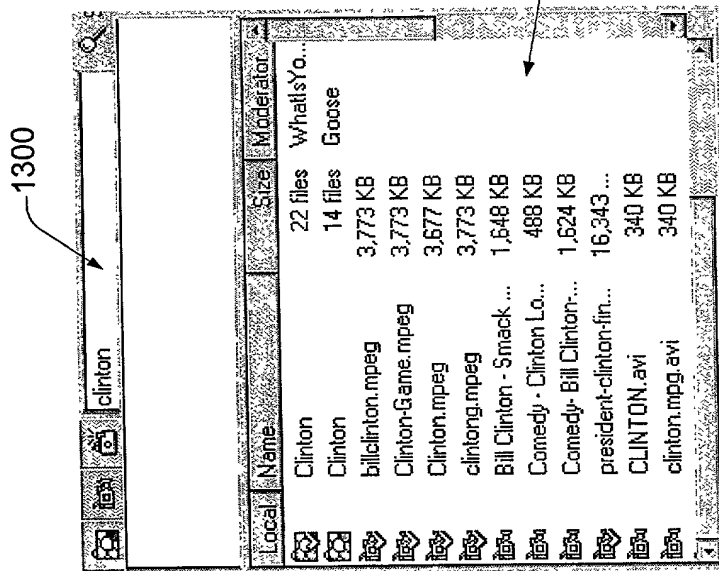
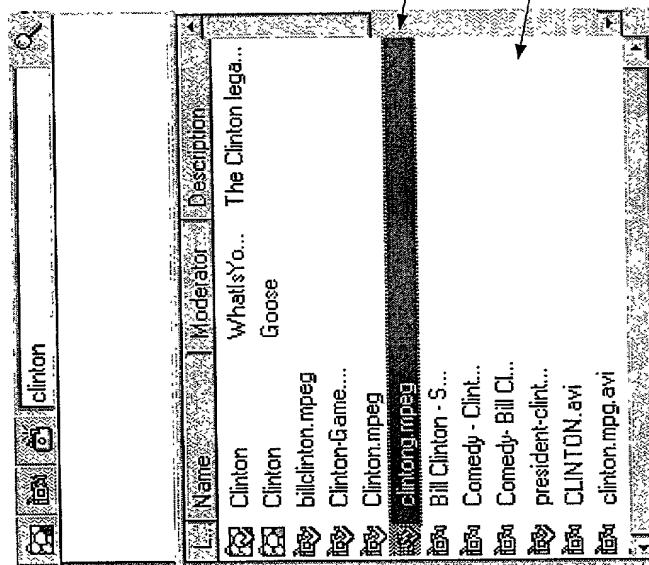


Fig. 13

[illegible]

1200

Fig. 14

-1400

1301

-1200